

What Is Claimed Is:

1. A device for detecting moving objects present in a vehicle's blind-spot, wherein the device has at least one object detection sensor (4), which is suitable for detecting the distance (d_n) to moving objects (3) passing at an angle to the vehicle (1) during leaving of a parking space and which sends the sensor output signals to an evaluation unit (7), and the evaluation unit (7) determines the relative velocity (V_{rel}) from the distance (d_n) sent to it, and, as a function of the distance (d_n), the relative velocity (V_{rel}), and the velocity of the driver's vehicle (V_e), switches on a warning device (14, 15) which notifies the driver regarding the object (3) moving at an angle to the driver's vehicle (1).
2. The device as recited in Claim 1, wherein the deceleration devices (16) can be enabled by the evaluation unit (7) as a function of the distance (d_n), the relative velocity (V_{rel}), and the velocity of the driver's vehicle (V_e).
3. The device as recited in Claim 1 or 2, wherein the evaluation unit (7) can be used to determine the distance (e) between the object (3) passing at an angle and the adjacent parked vehicles (2) from the distance (d_n) and the relative velocity (V_{rel}) of the object (3) moving at an angle to the driver's vehicle (1).
4. The device as recited in one of the preceding claims, wherein the object detection sensor (4) is a radar sensor, an ultrasonic sensor, a laser sensor, a video sensor, or a combination thereof.
5. The device as recited in Claim 4, wherein the radar sensor is a pulse radar sensor.
6. The device as recited in one of the preceding claims, wherein the at least one object detection sensor (4) is integrated into the bumper of the vehicle (1) in such a way that it is not visible from the outside.

7. The device as recited in one of the preceding claims,
wherein the object detection sensor (4) is mounted on the vehicle corners and is at about 45° to the vehicle's longitudinal axis.
8. The device as recited in one of the preceding claims,
wherein during maneuvers of leaving a parking gap, the warning function is enabled if the driver engages the reverse gear (10).
9. The device as recited in one of Claims 1 through 7,
wherein during maneuvers of leaving a parking gap, the warning function is enabled when the engine is switched on and the vehicle (1) is still at a standstill.
10. The device as recited in one of the preceding claims,
wherein during maneuvers of leaving a parking gap, the warning function can be switched off temporarily via a driver-operated actuator until the function is used again.
11. The device as recited in one of the preceding claims,
wherein the driver is notified by a display device (14) as to whether or not the device is enabled.
12. The device as recited in one of the preceding claims,
wherein a warning can be issued if the velocity (V_e) of the driver's vehicle (1) exceeds a pre-defined velocity threshold (V_{max}).
13. The device according to one of the preceding claims,
wherein the evaluation unit (7) issues a visual (14) and/or acoustic (15) warning to the driver.
14. A method for detecting moving objects, in particular in the case of maneuvers of leaving a parking gap,
wherein signals from at least one object detection sensor (4) used for blind-spot detection can be sent to an evaluation unit (7); signals represent at least the distance (d_n) between the object (3) and the driver's vehicle (1); the evaluation unit (7) determines the relative velocity (V_{rel}) of the object (3), and a warning device (14, 15) can be switched on as a function of the distance (d_n), the relative velocity (V_{rel}) and

the velocity of the driver's vehicle (V_e) to inform the driver of an object (3) moving at an angle to the driver's vehicle (1).